PROTECTION: Prioritization of Site-Specific Protection Projects in Lower Cedar River

Please note: Prioritization of site-specific projection potential projects is based on both reach priority (using EDT model) and whether or not the potential project is a priority in an existing science-base protection program (such as Waterways). Existing priorities for the Cedar River Legacy Program are shaded in following chart.

Reach # (Listed in Priority Order)	Proj. #	Description	Benefits to Chinook	Ease of Implem.
Reach 4: SR 169 Bridge to Upstream of Landslide (RM 4.7)	C213	Protect existing riparian habitat and LWD in Reach 4	H	H
	C214	Protect habitat in Reach 4 and explore ways to reduce flooding and erosion in Ron Regis Park such as adding LWD and setback levee	H	H
Reach 8: RM 8.2 to Cedar Mt. Rd. (RM 9.4)	C228	Jones Reach: 29 acres, 16 parcels targeted for protection	H	H
	C229	Protect riparian buffer behind Scott-Indian Grove levee	H	L
Reach 7: RM 7.3 to 8.2	C224	Cedar Rapids Reach: Acquire ~15 acres for floodplain restoration	H	H
	C225	Protect intact riparian forest along Cedar River Trail and SR 169	H	H
Reach 3: I-405 to SR169 Bridge	C210	Protect riparian habitat in Renton's parkland upstream of I-405 bridge	H	H
Reach 5: Upstream of Landslide (RM 4.7) to RM 5.8	C217	Protect riparian vegetation on left bank in area owned by King County	H	H
Reach 11: Downstream of Taylor Creek (RM 12.7) to RM 13.8	C244	Protect 5 acre parcel including 218th Place side-channel	H	H
	C245	Mouth of Taylor Creek Reach: Acquire 40 acres of forested riparian floodplain	H	H
Reach 10: RM 10.2 to downstream of Taylor Creek (RM 12.7)	C239	Lower Lions Stream Reach: Protect 39 acres between the river & SE 188th St.	H	M
	C240	Byers Reach: Protect 58 acres, 17 parcels on both banks of river	H	M
Reach 9: Cedar Mt. Rd. (RM 9.4) to RM 10.2	C232	Belmondo Reach: 71 acres with numerous side channels, braided reach	H	H
Reach 2: Logan St. Bridge (RM 1) to I-405	C205	Protect and maintain existing tree cover within reach where possible	M	H

PROTECTION: Prioritization of Site-Specific Protection Projects in Middle Cedar River

Reach # (Listed in Priority Order)	Proj. #	Description	Benefits to Chinook	Ease of Implem.
Reach 16: RR Trail Crossing at RM 17 to Arcadia (RM	C258	Protect gravel recruitment area and unstable slopes on right bank, upstream of Cedar River trail bridge	M/L	L
	C257	Protect floodplain area on left bank, downstream of "BN Nose" property	?	?

Reach # (Listed in Priority Order)	Proj. #	Description	Benefits to Chinook	Ease of Implem.
19.0)				
Reach 18: RR Trail Crossing (RM 19.6) to Landsburg Dam (RM 21.7)	C263	Landsburg Reach: 87 acres, including forested floodplain & unarmored, steep bank	**H**	**H**
Reach 15: RR Trail Crossing (RM 16.0) to RR Trail Crossing at RM 17.0	C255	Protect left bank forested area upriver of property already owned by King County in reach.	**H/M**	**M**
Reach 14: RM 15.0 to RR Trail Crossing (RM 16.0)	C253	Dorre Don Meanders Reach: Protect 71 acres (spans reach 13-14)	**H/M**	**H**
Reach 12: RM 13.8 to RM 14.3	C247	Protect Royal Bend: Protect ~7 parcels (spans reach 12-13)	**H/M**	**H**
Reach 13: RM 14.3 to RM 15.0	C249	Protect Royal Bend: Protect ~7 parcels (spans reach 12-13)	**H/M**	**H**
	C250	Dorre Don Meanders Reach: Protect 71 acres (spans reach 13-14)	**H/M**	**H**

RESTORATION: Priority of Site Specific Restoration Projects in Lower Cedar River

Reach # (Listed in Priority Order)	Proj. #	Description	Benefits to Chinook	Ease of Implem.
A Reaches				
Reach 2: Logan St. Bridge (RM 1) to I-405 (RM 1.6)	C203	Revegetate riparian areas where possible	**H/M**	**H**
	C204	Explore redevelopment options	**H/M**	**L**
Reach 3: I-405 (RM 1.6) to SR169 Bridge (RM 4.2)	C209	Riparian restoration in parkland	**H**	**H**
	C206	Improve riparian habitat in area of industrial use	**H**	**M/L**
	C207	Improve riparian habitat in area of multi-family residential use	**H**	**M/L**
	C208	Maplewood neighborhood flood buyouts and floodplain restoration	**H**	**L**
B Reaches				
Reach 5: Upstream of Landslide (RM 4.7) to RM 5.8	C215	Bucks Curve buyout and floodplain restoration	**H**	**H**
	C216	Additional (1-2) flood buyouts near Elliot Bridge	**M/L**	**H**
Reach 7: RM 7.3 to 8.2	C222	Cedar Rapids levee removal and floodplain restoration	**H**	**H**
	C223	Cook/Jeffries levee buffer protection and side channel reconnection	**H**	**L**
Reach 10: RM 10.2 to just downstream of	C233	Lions Club property side channel restoration	**H**	**H**
	C234	Byers Reach Side Channel - Levee removal and floodplain restoration	**H**	**M/L**

Reach # (Listed in Priority Order)	Proj. #	Description	Benefits to Chinook	Ease of Implem.
Taylor Creek (RM 12.7)	C236	Cedar Grove Mobile Home Park flood buyout and levee removal	H	M/L
	C237	Cedar Grove Road Junkyard buyout and floodplain restoration	H	M/L
	C238	Pursue Additional Buyouts near McDonald levee and restore floodplain	H	M/L
	C235	Cedar Grove Road levee removal and floodplain restoration	M	H
Reach 4: SR 169 Bridge (RM 4.2) to Upstream of Landslide (RM 4.7)	C212	Conifer under-planting within reach, particularly in Ron Regis park	H	H
	C211	Restore side-channel on right bank. Study if project still feasible/ beneficial after landslide.	?	?
Reach 6: RM 5.8 to 7.3	C218	Hertzman levee modification and floodplain restoration	H	M
	C219	River Bend Mobile Home Park buyout and floodplain restoration	H	M
	C220	Explore partial removal of Riverbend levee	H	M/L
	C221	Continue riparian restoration at Cavanaugh Pond	M	H
C Reaches				
Reach 11: Downstream of Taylor Creek (RM 12.7) to RM 13.8	C243	Getchman levee setback and floodplain restoration	H	M
	C241	Partial removal Jan Road and Rutledge/Johnson levees and floodplain restoration	H	M
	C242	Enhance 218th side channel once protected	H/M	M
Reach 1 Mouth to Logan St. (RM 1)	C202	Re-vegetate Reach 1 with overhanging vegetation where possible	H/M	H
	C201	Explore opportunities to improve habitat in Reach 1 where there are extensive areas of industrial land use	M	L
Reach 8: RM 8.2 to Cedar Mt. Rd. (RM 9.4)	C226	Remove remainder of Progressive Investment revetment	H	H
	C227	Study potential for restoration King County open space land	?	H/M
Reach 9: Cedar Mt. Rd. (RM 9.4) to RM 10.2	C231	WPA revetment removal and floodplain restoration	H	H
	C230	Cedar Mountain Revetment removal and floodplain restoration	H	L

RESTORATION: Prioritization of Site Specific Restoration Projects in Middle Cedar River

Reach # (Listed in Priority Order)	Proj. #	Description	Benefits to Chinook	Ease of Implem.
A Reaches: Highest Priority for Increasing Distribution				
Reach 14: RM 15.0 to RR Trail Crossing (RM 16.0)	C252	Dorre Don area flood buyouts and floodplain restoration	H/M	L
	C251	Dorre Don area side channel enhancements (also in Reach 13)	M	M
Reach 15: RR Trail Crossing (RM 16.0) to RR Trail Crossing (RM	C254	Orchard Grove flood buyouts and floodplain restoration	M	L

Reach # (Listed in Priority Order)	Proj. #	Description	Benefits to Chinook	Ease of Implem.
17.0)				
Reach 18: RR Trail Crossing (RM 19.6) to Landsburg Dam (RM 21.7)	C260	Explore feasibility of passing large woody debris over Landsburg Dam.	**H**	**M/L**
	C261	Reconnect wetland 69 (historic oxbow) to river.	**M/L**	**L**
	C262	If revetments at river mile 20.2 & 20.6 still exist, consider removing them.	**L**	**M**
Reach 17: Arcadia (RM 19.0) to RR Trail Crossing (19.6)	C259	Enhance Wingert side-channel on left bank, upper end of reach.	**M**	**H**
Reach 16: RR Trail Crossing (RM 17.0) to Arcadia (19.0)	C256	If floodplain area on left bank, downstream of "BN Nose" property is protected, explore restoration opportunities.	**?**	**?**
Reach 13: RM 14.3 to RM 15.0	C248	Dorre Don area side channel enhancements (also in Reach 14)	**M**	**M**
Reach 12: RM 13.8 to RM 14.3	C246	Explore removal of Royal Arch revetment	**M**	**M**

PROTECTION AND RESTORATION: Prioritization of Site-Specific Protection and Restoration Projects for Lake Washington

Please note: Lake Washington sections were prioritized by the EDT Model for both projection and restoration potential together. Therefore protection and restoration recommendations are listed together here (although there are very few protection projects).

Section # (Listed in Priority Order)	Proj. #	Description	Benefits to Chinook	Ease of Implem.
Section 1: Southern most part of Lake Washington Near Cedar River Mouth	C266	Shoreline restoration of WA Department of Natural Resources Property as part of trail project.	H	M
	C267	Shoreline restoration between mouth of Cedar River and Gene Coulon Park.	H	L
	C269	Shoreline restoration West of Cedar River mouth.	H	L
	C270	Explore opportunities to restore small creek mouths.	H	L
	C265	Enhance mouth of Kennydale Creek.	H/M	H/M
	C264	Enhance mouth and lower John's Creek.	H/M	M
	C268	Investigate reducing bird predation at Cedar River delta.	M	L
Section 2: Southern end of Mercer Island, Mouth of Mapes Creek and May Creek	C272	Rainer Beach Lake Park - Removal of marina and shoreline restoration.	H	H
	C273	Pritchard Island Beach shoreline restoration.	H/M	H/M
	C271	Mouth of Mapes Creek restoration.	H/M	M
	C277	Restoration of mouth of May Creek.	H/M	M
	C275	Martha Washington Park shoreline restoration.	M	H
	C278	Port Quindal shoreline restoration and site cleanup.	M	L
	C279	Work with private landowners to restore shoreline.	M	L
	C276	Mouth of Taylor Creek debris removal.	L	M/L
	C274	Explore buyout between Rainier Beach Park and Beer Sheva.	L	L
Section 5: Montlake Cut including Union Bay from Madison Park Beach to Webster Point	C291	Protect water quality from runoff from 520.	H	H/M
	C292	Explore reducing predation at Webster Point such as reducing number of docks.	M	L
Section 7: North End of Lake, Including Mouths of MacLeer, Lyons, Sammamish River, Tracey Owen Park (East to West line starts at southern end of St. Edwards Park)	C301	St. Edwards State Park - Protect existing high quality shoreline in park.	H	H
	C299	Improve pollution control at Kenmore Marina.	H/M	M
	C302	Work with private landowners to restore shoreline.	H/M	L
	C297	Restore wetlands at mouth of Sammamish River.	M	M
	C300	O.O. Denny Park shoreline restoration.	M	M
	C298	Tracy Owen Station Park shoreline restoration.	M/L	M
	C303	Explore opportunities to restore mouths of small tributaries.	M/L	L
Section 3: South of I-90 including East and West Channel of Mercer Island, Seward Park and Mercer Slough	C286	Remove creosote wall under I-90.	M	?
	C280	Seward Park shoreline restoration.	M	H
	C285	Newcastle Beach Park shoreline restoration.	M	H
	C281	Lake Washington Boulevard South shoreline restoration.	M/L	M
	C283	Explore shoreline restoration at Groveland Park.	M/L	M/L
	C284	Explore daylighting and restoration of creek mouth in Clarke Beach Park.	M/L	M/L

Section # (Listed in Priority Order)	Proj. #	Description	Benefits to Chinook	Ease of Implem.
	C282	Explore options to restore small creek mouths on west and east side of Island.	**L**	**L**
Section 4: Between 520 and I-90	C288	Chism Park shoreline restoration.	**M/L**	**H**
	C290	Medina Beach Park shoreline restoration.	**L**	**H/M**
	C287	Lake Washington Boulevard shoreline restoration from East Pine St. to the Madrona Dr.	**L**	**M**
	C289	Enatai Park shoreline restoration.	**L**	**L**
Section 6: North of 520 Including Sand Point, Thorton Creek Mouth, Yarrow Bay and Juanita Bay	C293	North end Magnuson Park shoreline restoration	**L**	**H**
	C294	South end Magnuson Park shoreline restoration.	**L**	**M**
	C295	Restore creek mouth at NE 80th in Matthews Beach Park to original location.	**L**	**L**
	C296	Explore restoration of creek mouth in Juanita Bay Beach.	**L**	**L**

RESTORATION: Priority of Site Specific Restoration Projects in Upper Cedar River

Please Note: Due to the strong protection measures in the Cedar River Watershed Habitat Conservation Plan, only restoration recommendations were developed at the reach level for the Upper Cedar River. The EDT reach ratings need to be updated in light of new information about how Chinook are using the Upper Cedar River, therefore the projects are ranked based on expert opinion of their Benefits to Chinook and Ease of Implementation only. The experts on the Upper Cedar River rated the basinwide restoration recommendations as well as the reach level recommendations for their Benefits to Chinook and Ease of Implementation, so that information has been included as well.

Basinwide Restoration Recommendations for the Upper Cedar

Area Covered	Proj. #	Description	Benefits to Chinook	Ease of Implem.
Basinwide	C607	Large woody debris survey and large woody debris addition plan.	**H**	**H**
Basinwide	C609	Cedar River Watershed Management: implementing the Habitat Conservation Plan including road decommissioning and protection and enhancement of riparian and aquatic habitats.	**H**	**H**
Basinwide	C608	Enhance riparian conditions through adding vegetation and conducting ecological thinning.	**M/L**	**H**

Priority of Site Specific Restoration Projects in the Upper Cedar

Reach #	Proj. #	Description	Benefits to Chinook	Ease of Implem.
Reach 27: Cedar Falls Powerhouse (RM 33.7) to RM 34.1	C324	Maintain flow commitments in Habitat Conservation Plan for this reach.	**H**	**H**
Reach 29: Upper Rock Creek	C327	Reconstruction of Road 41 Bridge to allow flood flow and debris passage (if Walsh Lake Ditch flow is added to Rock Creek).	**H/M**	**M**
Reach 23: RM 31.4 to RM 31.5	C314	Road decommissioning and improvement and Steele Creek Bridge improvement to reduce sedimentation and riparian confinement.	**M**	**H**
Reach 29: Upper Rock Creek	C325	Rock Creek large woody debris placement.	**M**	**H**
Reach 22: Barneston Bridge (RM 29.3 - downstream of Taylor Creek) to RM 31.4	C313	Lower Taylor Creek railroad trestle and Road 9 Bridge removal/replacement to reduce channel confinement.	**M**	**H/M**
Reach 20: RM 22.2 to RM 23.9	C307	Install rock structures to create flow refuge for juvenile fish in reach.	**M**	**M**
Reach 20: RM 22.2 to RM 23.9	C309	Rock Creek confluence restoration.	**M**	**M**
Reach 21: RM 23.9 to Barneston Bridge (RM 29.3)	C310	Road decommissioning and improvement to reduce sedimentation in reach.	**M**	**M**
Reach 22: Barneston Bridge (RM 29.3 - downstream of Taylor Creek) to RM 31.4	C312	Taylor Creek confluence restoration.	**M**	**M**
Reach 29: Upper Rock Creek	C326	Restoration of Walsh Lake Ditch flows back into Rock Creek (under assessment).	**M**	**?**

Reach #	Proj. #	Description	Benefits to Chinook	Ease of Implem.
Reach 27: Cedar Falls Powerhouse (RM 33.7) to RM 34.1	C323	Decommission Road 71.	**M/L**	**H**
Reach 26: RM 33.2 to Cedar Falls Powerhouse (RM 33.7)	C322	Riparian enhancement on both sides of the river in reach.	**M/L**	**H**
Reach 25: RM 32.9 to RM 33.2	C319	Riparian enhancement on both sides of the river in reach.	**M/L**	**H**
Reach 24: RM 31.5 to RM 32.9	C316	Riparian enhancement adjacent to Road 9.	**M/L**	**H**
Reach 29: Upper Rock Creek	C328	Enhance riparian conditions through adding vegetation and conducting ecological thinning in Rock Creek.	**M/L**	**M**
Reach 26: RM 33.2 to Cedar Falls Powerhouse (RM 33.7)	C321	Facilitate instream pool structure, habitat diversity and floodplain connections in reach.	**M/L**	**?**
Reach 25: RM 32.9 to RM 33.2	C318	Facilitate instream pool structure, habitat diversity and floodplain connections in reach.	**M/L**	**?**
Reach 20: RM 22.2 to RM 23.9	C308	Road decommissioning and improvement in Rock Creek basin.	**L**	**H**
Reach 19: Landsburg Dam (RM 21.7) to RM 22.2	C304	Habitat enhancement of Landsburg Impoundment Pool.	**L**	**H**
Reach 19: Landsburg Dam (RM 21.7) to RM 22.2	C306	Reforestation of the right bank in reach.	**L**	**H**
Reach 22: Barneston Bridge (RM 29.3 - just downstream of Taylor Creek) to RM 31.4	C311	Road decommissioning in Taylor and Williams Creek basins.	**L**	**H**
Reach 26: RM 33.2 to Cedar Falls Powerhouse (RM 33.7)	C320	Road decommissioning and improvement in reach.	**L**	**M**
Reach 25: RM 32.9 to RM 33.2	C317	Road decommissioning and improvement in reach.	**L**	**M**
Reach 19: Landsburg Dam (RM 21.7) to RM 22.2	C305	Installment of engineered log jams near RM 22.	**L**	**M**
Reach 24: RM 31.5 to RM 32.9	C315	Road decommissioning and improvement in reach.	**L**	**M**
Reach 29: Upper Rock Creek	C329	Restoration of Taylor Ditch flows into Rock Creek.	**L**	**?**

Prioritization of Cedar River Tributaries (Tier II)

(Listed from downstream to upstream: Taylor/Downs Creek, Peterson Creek, Rock Creek and Walsh Lake Diversion Ditch)

PROTECTION: Prioritization of Site-Specific Protection Projects for Taylor/Downs Creek

Please Note: Taylor Creek was not ranked by the EDT Model. This work will be done in the future. For this draft, potential site-specific projects for the Taylor Creek basin are prioritized based on expert opinion on Benefits to Chinook and Ease of Implementation. Existing priorities in the Cedar River Legacy Program are shaded below. Prioritization of protection projects is to be based on both the EDT modeling work and whether or not the potential project is a priority in an existing science-based protection program.

Reach # (Not prioritized)	Proj. #	Description Note: Shaded Projects are an existing priority in the Cedar River Legacy Program.	Benefits to Chinook	Ease of Implem.
Reach 1: Mouth to Maxwell Rd crossing (RM 0.4)	C332	Mouth of Taylor Creek Reach: Acquire 40 acres of forested riparian floodplain associated with both the Cedar mainstem and Taylor Creek. Also listed on Cedar River Reach 11.	**H**	**H**

RESTORATION: Prioritization of Site-Specific Restoration Projects for Taylor/Downs Creek

Please Note: Taylor Creek was inadvertently not ranked by the EDT Model. This work will be done in the future. For this draft, potential site-specific projects for the Taylor Creek basin are prioritized based on expert opinion on Benefits to Chinook and Feasibility.

Reach # (Not prioritized)	Proj. #	Description	Benefits to Chinook	Ease of Implem.
Reach 2: Maxwell Rd crossing (RM 0.4) to RM 0.8	C333	Lower Taylor Creek Floodplain Restoration	**H**	**H**
Reach 1: Mouth to Maxwell Rd crossing (RM .04)	C331	Add large woody debris in Reach 1.	**H**	**H**
Reach 6: RM 1.4 to top of ravine (RM 1.9)	C336	Add large woody debris in Reach 6.	**H**	**H**
Reach 1: Mouth to Maxwell Rd crossing (RM .04)	C330	Riparian restoration in Reach 1.	**H/M**	**H**
Reach 2: Maxwell Rd crossing (RM 0.4) to RM 0.8	C334	Work with private property owners in lower part of reach not included in planned floodplain restoration to do riparian restoration.	**M**	**H**
Reach 6: RM 1.4 to top of ravine (RM 1.9)	C337	Protect and restore riparian vegetation in Reach 6.	**M**	**H**
Reach 5: RM 1.0 to hwy. 18, bottom of ravine (RM 1.4)	C335	Add large woody debris in Reach 5.	**M/L**	**H**
Reach 7: RM 1.9 to RM 3.4	C338	Taylor Creek Golf Course - work with golf course owners to implement any needed Best Management Practices.	**?**	**M**

RESTORATION: Prioritization of Site-Specific Restoration Projects in Peterson Creek

Reach # (Not prioritized)	Proj. #	Description	Benefits to Chinook	Ease of Implem.
Reach 1: Mouth to RM 0.5	C339	Add large woody debris. Explore use of LWD to increase fish passage at the mouth.	H	H
	C340	Consider riparian restoration to increase LWD recruitment (such as thinning and conifer underplanting).	H	H

PROTECTION: Prioritization of Site-Specific Protection Projects in Lower Rock Creek

Reach # (Not prioritized)	Proj. #	Description	Benefits to Chinook	Ease of Implem.
Reaches 3-5: Se 248TH St Culvert (RM 0.15) to	C348 C349 C350 C352	Work with adjacent landowners to decrease encroachment into Rock Creek Natural Area and increase stewardship.	M/L	M

RESTORATION: Prioritization of Site-Specific Restoration Projects in Lower Rock Creek

Reach # (Not prioritized)	Proj. #	Description	Benefits to Chinook	Ease of Implem.
Reaches 6-14: RM 0.65 to RM 4.8	C351	Enhance flows for pre-spawning migrants.	H	H
Reach 1: Mouth to foot bridge over creek (RM 0.06)	C342	Study feasibility of increasing off-channel habitat in Reach 1.	?	H
	C343	Explore improving fish passage at the mouth of Rock Creek.	H	ML
	C341	Buyout house on right bank, and restore floodplain near the mouth.	H/M	H/M
Reach 2: Foot bridge (RM 0.06) to box culvert under SE 248th St (RM 0.15)	C344	Study feasibility of increasing off-channel habitat in Reach 2.	?	H
	C345	Remove bank hardening on right bank in Reach 2.	H/M	L
Reach 3: SE 248th St culvert (RM 0.15) to culvert under Cedar River Pipeline (RM 0.27)	C347	Replant conifers lost in 2004 windstorm in Reach 3.	H	H
	C346	Improve fish passage under Cedar river pipeline.	H/M	H

RESTORATION: Prioritization of Site-Specific Restoration Projects in Walsh Lake Diversion Stream

EDIT: The WRIA 8 Technical Committee recommends that a study be conducted to evaluate the feasibility and benefit of relocating Walsh back into its original location in Upper Rock Creek. These recommendations are for if Walsh Lake Diversion remains in place. Walsh Lake Diversion Ditch's reaches were not prioritized using the EDT model. Therefore the potential projects have been prioritized based on expert opinion of potential projects Benefits to Chinook and Ease of Implementation.

Reach # (Not prioritized)	Proj. #	Description	Benefits to Chinook	Ease of Implem.
Reach 1: Mouth to bottom of ravine (RM 0.2)	C353	Replant conifers lost during 2004 windstorm and maintain to prevent invasion by invasive plants.	**H**	**H**
Reach 2: RM 0.2 to seasonal barrier, top of ravine (RM 0.6)	C354	Replant conifers lost during 2004 windstorm and maintain to prevent invasion by invasive plants.	**H**	**H**
Reach 3: RM 0.6 to SPU Watershed Boundary, 276th Ave SE (RM 1.1)	C356	Work with private property owners in reach to protect riparian corridor and forest cover.	**H/M**	**H**
	C355	Improve Chinook passage over velocity barrier in ravine.	**M/L**	**H**